

DESIGN

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ASME International
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Chair

Crispin Hales, Ph.D., C.Eng.

Past Chair

Steven A. Velinsky, Ph.D., P.E.

Editor

Thomas G. Liberty

NEWS BRIEF

Crispin Hales, DED Chair, focuses on international challenges for the division. Many engineering issues to tackle but DED has the necessary journal and conference infrastructure to achieve goals (article on page 1).

DED strives to lead with globalization, fiscal health, awards, conference improvements, and operating structure initiatives according to Past Chair Steven Velinsky (article on page 1).

John Wesner, Systems & Design Group VP, gives the 30,000-foot view. Going global and supporting local sections are not mutually exclusive endeavors (article on page 2).

The myth of assured lifelong employment. The benefits of multiple vocations and why we have forgotten our history are discussed by Neil Leon in the "Practicing Engineer's Forum" (article on page 2).

From PBS television broadcasts for young engineers to professional licensure issues, to teaming with the Board on Pre-College. Chair, Lucy King and the Design Division Education Committee bring the hot issues to the design education "table" (article on page 3).

Y2K marks the return of the Power Transmission and Gearing's (PTG) International PTG Conference. Chair Neil Anderson, outlines the conference's international reach, scheduled for the fall of 2000 in Baltimore (article on page 3).

Innovations in Vehicle Design and Development symposium, featuring three key areas of interest, to be held at the 1999 IMECE. Moustafa El-Gindy, Chair's the Vehicle Design Committee and describes its affiliation with international journals (article on page 3).

Active year for the Technical Committee on Vibration and Sound. Chair, Subhash Sinha reviews past successes and outlines the future of the committee (article on page 4).

Attendance up at ASME sessions during 1999 National Manufacturing Week. Dick Hirsch reviews this and ASME Fellows on page 4.

Upcoming DED conferences to be held in Las Vegas, Nashville, Chicago, Providence, Baltimore, and Orlando. Schedule and conference notices start on page 4.

MESSAGE FROM THE CHAIR

Crispin Hales, Ph.D., C.Eng.



A hundred years ago engineering design revolved around *making things work*. Now design engineers, educators and researchers must also grapple with

environmental issues, legal issues, manufacturing issues, marketing issues, maintenance issues, life cycle issues, intellectual property issues, cultural issues, global issues and a host of influencing factors once considered outside the realm of engineers.

We have risen to the challenge. In tune with overall ASME plans, the Design Engineering Division is adapting to take a more international role in professional engineering, and also to encompass the wider issues in design. We have ten strong technical committees with expertise on improving the design process, developing new design tools, designing mechanisms, analyzing fluid flows, handling vibration and sound, improving fastening and joining, gearing up for travel in the fast lane, knocking down walls between design and manufacture and learning from failures. We address design education, professional registration, continuing education, safety in design and the management of design. As the largest Technical Division in ASME we have the resources to explore innovative ways of working and helping our members. And we need to. Rapid developments in technology have opened up new opportunities but, combined with rising costs, they have also created challenging situations to be resolved.

A lot of effort is spent on the three technical journals associated with the Division (*Mechanical Design, Vibration and Acoustics, Mechatronics*) and the planning, organizing and running of our three main forums each year. In March there is the opportunity for interchange between researchers and practicing designers at the National Manufacturing Week Conference in Chicago, a great tangle of design exhibits and new ideas. Next comes the joint Technical Conferences of Design Engineering and Computers & Information Engineering in September, where most of our Technical Committees hold their own formal conferences in parallel with each other. This year things will be even more entertaining than usual as we are off to Las Vegas. No, you can't borrow from the Design Engineering Division's Custodial Account to finance a little fling. Yes, you will be able to walk from session to session without being

caught by a one-armed bandit. Our international visitors are especially welcome - quite apart from the sights in town and the local tours you might think about driving for a couple of days through Zion National Park to Bryce Canyon. It is a truly memorable trip. In November comes the more sober ASME International Mechanical Engineering Congress and Exposition (IMECE), at which several of our committees hold symposia on specific topics or present sessions for a wider engineering audience. This year it will be in Nashville, Tennessee, so bring your guitar and strum us a few chords. After the IMECE we generally collapse from exhaustion and start regrouping for the next year!

We invite you to read all about our committees, journals and activities in this, our annual newsletter, register for the big one in Las Vegas, and how about rounding off the century by presenting a paper at one of our events next year - we look forward to your participation.

Finally, a note of thanks to our great team of dedicated volunteers within the Division. Special thanks this year go to Professor Sheri Shepherd who finishes her 6 years of service on your Executive Committee and to Professor Steve Velinsky, the outgoing Chair, who has set things up so well that 1999 should go like clockwork!

PAST CHAIR'S REPORT

Steven A. Velinsky, Ph.D., P.E.

It's hard to believe how fast the last year has flown by, and it has been an honor to have had the opportunity to serve as Chair of the Design Engineering Division (DED). The DED has continued to prosper this year, and this is due to the devoted efforts of a large number of individuals. Their countless hours are greatly appreciated.

Over the last year, the division's Executive Committee has taken a strong effort at looking ahead, i.e., developing long-term plans. To follow, I briefly present our long-term focus areas to provide a flavor of the vision of the Executive Committee:

Increased Visibility: The Design Engineering Division has an outstanding reputation based on its over 50 years of existence and its significant contributions. We wish to maintain our reputation as the source of the premier technical information in the design area both inside and outside of the US. We have established a committee for managing DED's information dissemination. Our DED newsletter,

in addition to being physically mailed, has been a dynamic newsletter as part of our web page for several years. We will continue to support the efforts of our technical committees in their efforts to increase visibility. Finally, we wish to maintain strong publications, both in terms of the journals that we sponsor and the proceedings of our conferences.

Globalization: DED has a strong desire to have increased contributions and visibility in international activities. We have developed a committee concerned with our international participation, and we have identified a number of conferences with which we would like to play an increased role. DED already has strong ties to the International Federation for the Theory of Machines and Mechanisms (IFTOMM) with whom we plan to build additional ties.

Fiscal Health: Long term fiscal planning is a major issue now that DED has developed a substantial custodial account. We have been developing, and continue to develop, guidelines and policies for the use of these resources to adequately support the efforts of the technical and administrative committees.

Award Program: The DED has several division awards in addition to sponsoring one national award – Machine Design. Our long-term goals are to endow our awards thus allowing recipients to be better recognized and treated, to develop improved procedures for acquiring award nominations, and to ensure that the venue for awards is appropriate.

Conference Improvements: DED has sponsored the Design Engineering Technical Conferences for several years, and most recently has partnered with the Computers and Information in Engineering Division to add to this conference which has been renamed the Design Engineering and Computers and Information in Engineering Technical Conferences. We have instituted a number of significant administrative improvements over the last several years including the development of a set of operating procedures, and the development of a workshop for future Conference Chairs. We continue to develop procedures that ease in the organization of these conferences, continue to improve our workshop, and continue to implement such aspects as award convocations and expositions thus enhancing the conference. Furthermore, we wish to continue to participate in conferences such as National Manufacturing Week in an attempt to reach the engineering practitioners.

Operating Structures: The DED is attempting to take a leadership role in improving the operating structures of ASME in such a manner to optimize the time and efforts of both volunteers and professional staff. Furthermore, we desire to understand the effects of volunteer contributions on the net return to DED and its constituency both in terms of fiscal and other service aspects.

In closing, DED continues to be an innovator both within and outside of ASME due to the vision and efforts of its members. The Executive Committee for this coming year is an outstanding group who will ensure that the DED will continue to lead!

A COUNCIL ON ENGINEER'S PERSPECTIVE

John W. Wesner, P.E.



My third and final year as your Systems and Design Group (S&DG) Vice President has been filled with interesting events and activities. The Group gained a new (sub)Division: Micro-

Electro-Mechanical Systems (MEMS), and saw a major re-definition of what has become the Computers and Information in Engineering Division (CIE). The MEMS Subdivision was born from growing committee-level activities in the Dynamic Systems & Control Division (DSCD), the CIE Division, and the Electrical and Electronic Packaging Division (EPPD). The new CIE Division (they worked hard to fit their new name to their well-known initials) integrates what had been the Engineering Information Management Program, to add new focus on one of the most important elements of the use of computers in engineering today: the management and movement of information.

The young Region 13, covering all ASME members outside of North America, is settling in. To complement their work, several S&DG Divisions are increasing their international presence. EEPD is having another conference in Hawaii, with significant Pacific-rim participation expected. Your own Design Engineering Division (DED) has a strong and growing International Committee, led by Phil Doepker, a former Division Chair who now sits on the Group Operating Board.

With divisions in our Group like CIE and EEPD, I believe that our Group ought to be the role model for ASME Group and Division presence on the World Wide Web. DED's Tom Liberty has been working with me, to make this a reality. The fine Group web site that Tom created is now being taken over by CIE, and participation by the Group's divisions is increasing.

Through the CMA/COE Coordinating Committee I have been able to stay very much involved in reaching out to the many members of our Group (almost a third of ASME's members have signed up for one or more of our Group's divisions!) who are not realizing the full benefits that *active* membership brings. Many of these members are employed in industry, and apparently many of them and their employers do not perceive that we are adequately meeting their professional needs. A joint Industry Partners Task Force is getting closer to piloting some new ideas in selected areas of the United States. At the same time a few of us are making one more try at encouraging Technical Divisions and Local Sections to jointly sponsor Technical Chapters where there are clusters of members of one division. Technical Chapters have the potential to bring Division technical programming to members who can not get to our big national meetings. Any of you who know of 25 or more DED members in your Section may want to consider this way to becoming more active in the Division without necessarily traveling.

The DED is one of the two largest ASME Technical Divisions. In the past few years DED has grown in stature and

responsibility—which is appropriate considering how many of ASME's members you represent. Your programming is superb, your financial situation is excellent, you are recognizing more of your members with new (as well as well-established) Awards, you are breaking new ground with such things as your CD ROM conference proceedings, you have two past chairs serving on the Group Operating Board—the list goes on. Thank you for helping to make my Vice Presidency really great, and keep up your excellent work!

PRACTICING DESIGN ENGINEER'S FORUM

Nathaniel J. Leon

In recent years many engineers have found themselves subject to reductions in work force on an ever-increasing basis as the corporate environment has changed. Admittedly, this has become less frequent in the last year or two as new companies have started up. As part of this change in the engineering work place there has been a desire to "Go back to the way it was", when lifelong employment was assured. I put forward a contrary position; lifelong employment is a myth, at least during the history of the United States and during the English Colonial Era in the New World.

Two occupations that we see as being "around forever" and that have become part of our national consciousness were the Pony Express and interstate cattle drives. The Pony Express only ran 18 months to be replaced by the telegraph. Interstate cattle drives only survived for 11 years or at the most 30 years depending on how you read history. Cattle drives ended when railroads became available to pick up and ferry beef to market. That too has been replaced in many locations by tractor and semi-trailer trucks.

As a typical example, I have chosen to detail the careers of Benjamin Franklin (1706 – 1790). He was very much a Renaissance man of the middle and late 18th century with multiple vocations and avocations many of which he practiced concurrently. Depending on how you count them he had more than 15 during his long lifetime.

Mr. Franklin was originally trained as a printer through apprenticeships to several individuals including his older brother. Following his training he came to the Americas to settle in Philadelphia, becoming a noted printer, author, social and political philosopher, editor, and publisher of *The Pennsylvania Gazette* (starting 1726) and the *Poor Richards Almanac* (starting 1732).

In 1737 he was appointed the Postmaster of Philadelphia and in 1753 became the Deputy Postmaster for the Americas as the result of his work to develop the first profitable and successful postal system in the world.

His career as statesman and politician started in 1736 as clerk for the General Assembly of Pennsylvania to which he was elected in 1751 and he was subsequently sent to represent the people of Pennsylvania for the Penn family to England in 1757. In later years he became an unofficial ambassador to both France and England.

This he did while pursuing his true vocation to become a noted inventor, engineer,

and scientist. These works led him to be elected to what is now the Royal Society of Arts (<http://www.rsa.org.uk>). Franklin was an active member of this society then called Society for the Encouragement of Arts, Manufacture and Commerce (or simply Society of Arts) after being nominated and accepted for his book: *Proposal for Promoting Useful Knowledge among the British Plantations in America*. He started out as a corresponding member of the Society of Arts and when visiting England between 1757 and 1762 he attended numerous meetings and even chaired several in 1761.

Some of his important physical inventions include the lightning rod, the odometer, bifocals, the Franklin Stove (more properly the Franklin Furnace), medical devices including the flexible urinary catheter, watertight bulkheads for sailing ships and the glass harmonica. In his work with electricity he was the first person to note the relationship between sharp points and electrical transfer into the atmosphere. He also coined the terms "positive" and "negative" as they relate to the electromotive force.

In his later years he also became a philanthropist establishing the first lending library in the US, and organizing the first formal fire department, as well as an insurance company to help people live more safely and comfortably.

He did all this while helping to bring a new country into the world with his clear thinking and vision. He stands alone as being the only person to sign the Declaration of Independence (1776) the Treaty of Alliance, Amity and Commerce with France (1778), the Treaty of Peace with England (1782) and the United States Constitution (1787).

Do not think for a minute that he was always busy. He did take the time to relax and do things for himself. He learned to play several instruments including the violin, harp, guitar along with his own invention the glass harmonica.

Though it would be very difficult for anyone today to have a vita as diverse as this, Benjamin Franklin's careers should help us understand that a single occupation career may not be all that desirable or even possible. As professionals we need to understand the nature of this situation so we can properly prepare ourselves for the world we live in.

SPOTLIGHT ON DESIGN DIVISION EDUCATION COMMITTEE

Lucy S-B King, Ph.D.



The 1999 ASME fiscal year was a very busy and successful time for the Design Division Education Committee (DDEC). During that time our members gave six sessions at the 1998 IMECE in Anaheim, five sessions at the 1999 National

Manufacturing Week in Chicago, and we expect to present seven sessions at the 1999 IMECE in Nashville. Planning is well under way for the 2000 National Manufacturing Week.

Our committee continues to grow and now has 64 members representing the USA, Canada, Japan, Hungary, and Taiwan. Fully 67% of our members are active within the DDEC and we are extremely active within the DED and Systems &

Design Group. We have also successfully partnered with other technical groups and divisions within the Council on Engineering as well as with the Council on Education (COEd). One of our latest successes will be featured at the 1999 IMECE when the DDEC and the Board on Pre-College team up to present "Innovative Methods for Bringing Science, Math & Engineering to High School Students."

The DDEC continues to team with the ASME Old Guard for Mike Keefe's annual "Young Design Engineer's Student Paper Competition." This year three student teams were awarded \$1000 each for their winning papers. We were delighted to have all three teams send representatives to the 1998 IMECE in Anaheim, California. Winners flew in for the event from Alabama, Mexico, and India--truly an international event.

During our March 1999 election, Professor Jawa Mariappan from Rowan University was elected as the incoming Vice-Chair of the DDEC. Lucy King becomes Chair on July 1st, 1999 following Tom Liberty's term as Chair.

Member's of our committee who have recently been in the news include Stacey Swisher, whose work with the ASME Professional Development and the PBS Adult Learning Service culminated in a TV satellite broadcast panel discussion on March 25, 1999 entitled "The Young Engineer's Forum, Workplace and Career Challenges in the Global Market." Guests included Swisher, John Elter, VP of Xerox, Patricia Galloway, VP of Nielsen Group, and Bernard Meyers, Sr. VP of Bechtel Telecommunications.

Tim Jur's initial panel session entitled "A Call for a National Registration for Engineers" at the 1998 IMECE has significantly raised the awareness of national and international issues related to P.E. licensure. This topic is very hot within the ASME and the session was covered by the National Society of Professional Engineer's in their August/September 1998 issue of *Engineering Times*.

Mary Straffon and Phil Doepker continue their work for the Systems & Design Group as representatives for the 1999 IMECE. The process for session allocations for technical groups, their divisions, and committees has been substantially streamlined in the last year due to their efforts.

The DDEC strives to honor our members through awards given during ASME national meetings. In conjunction with the Design Engineering Division, we awarded Professor Jim Dixon the newly established "Outstanding Design Educator" award at the 1998 DETC. Ed Feldy was awarded the ASME Fellow at the 1999 National Manufacturing Week. Ronald Wolosewicz continues his work with the Triodyne Safety award committee.

The DDEC continues to be an inclusive international home for professionals from the fields of education, industry, and the government who have an interest in design education. We invite ASME members and nonmembers alike to attend our meetings, voice their opinions, and participate in our sessions.

INTERNATIONAL POWER TRANSMISSION & GEARING CONFERENCE

Neil Anderson



The Power Transmission and Gearing (PTG) Committee is starting to prepare for the 8th International PTG Conference in Baltimore, Maryland in the fall of 2000. Experts from around the world in the areas of gear analysis, gear

manufacturing, CVT, chain and transmission drive systems will meet in conjunction with the ASME Design Engineering Technical Conferences. The PTG committee traditionally sponsors an international conference every four years, with the last in held in 1996.

A comprehensive mailing list is being prepared to ensure that all previous and new potential participants are informed of the event. In particular, new contacts are being made through IFToMM to reach experts in Europe, a region that has not been well represented in past ASME conferences. A PTG website is planned with links to ASME and the Design Engineering Division to further improve communication.

Anyone interested in participating with the committee in the planning of this event should contact Neil Anderson at LNUSEWY1.KZK0KM@gmeds.com or by phone at 734-481-7868.

IMECE SYMPOSIUM TO BE HELD BY VEHICLE DESIGN

Moustafa El-Gindy, Ph.D.



The primary objective of this committee is to facilitate the dissemination of advanced knowledge and new technologies related to vehicle design among the members of the mechanical engineering community through

organizations, ASME symposiums and other information exchange mechanisms. The advances in the areas of vehicle dynamics, stability and control of light and heavy vehicles, advances in vehicle design, off-road vehicles technology; advanced vehicle control systems, vehicle/road and vehicle/human interactions; crash research and occupant safety, weight in motion technology; and intelligent transportation systems will be specifically emphasized.

The Vehicle Design Committee is to organize a symposium entitled "Innovations in Vehicle Design and Development" to be held during the IMECE on November 14-19, 1999. The objective of this symposium is to bring together experts in the areas of Vehicle Active Control and Dynamics; Driver Vehicle/Roadway Interaction; and Ride and Multibody Dynamics and Control.

The Vehicle Design Committee is always open to and welcomes distinguished researchers from the industry and the academic communities to participate and become active members.

It should be mentioned that the Vehicle Design Committee has strong ties with

the *International Journal of Heavy Vehicle Systems (HVS)* and the *International Journal of Vehicle Design (IJVD)*, the official Journal of the International Association of Vehicle Design in the United Kingdom. The committee's activity, call for papers, newsletters, and conference reports will be published in both journals.

ACTIVE YEAR FOR TCVS

Subhash Sinha, Ph.D.



The Technical Committee on Vibration and Sound (TCVS) sponsored nine sessions during the 1998 IMECE. These sessions were distributed among two symposia: "Active Control of Vibration and

Noise" (17 papers) organized by H. S. Tzou and W. W. Clark, and "Dynamics, Acoustics and Simulations" (34 papers) organized by R. Han, K. H. Lee, and A. Luo. Four sessions have been requested and approved for the 1999 IMECE. Expected sessions cover the topics of "Structural Health Monitoring", "Semi-Active Vibration Control in Vehicles", "Passive Damping Technologies", and "Semi-Active Structural Control".

Preparations for the 1999 DETC and Vibration Conference are underway. "Call for Papers" flyers have been mailed out and have appeared in various academic journals and *Mechanical Engineering* magazine. A webpage has been set up (www.eng.auburn.edu/detc99) where complete information on the conference can be found. The paper submission deadline was extended by two weeks to February 16, 1999, and symposium organizers will report a preliminary count of papers to the Program Chair by the end of February. This information will be used for the planning of rooms and sessions.

Short courses and tutorials (SCT) are being planned for the 1999 DETC. H. S. Tzou was appointed to organize the vibration related SCT, and J. Dohner was asked to help in the planning and coordinating of all the SCT for the 1999 DETC. Exhibits are also planned and an "Exhibitor Fact Sheet" has been prepared. The coordinator for this event is David Beale of Auburn University.

Dean Mook of Virginia Tech was appointed as the Chair of the Awards Nomination Committee for the Den Hartog and Myklestad awards. The "Call for Nominations" announcement has appeared in the following journals: *Mechanics* (published by the American Academy of Mechanics), *ASME J. Vibration and Acoustics*, *ASME J. Applied Mechanics*, *Nonlinear Dynamics*, *J. Sound and Vibration*, and *J. Vibration and Control*. The TCVS will vote on these two awards during the spring meeting.

Dr. Z. Wang (UNLV) of the local organizing committee is arranging local tours (Hoover Dam, Ethelm Chocolates, Shelby Automotive, etc.), baby sitting and other family programs.

Planning of the 2001 DETC in Pittsburgh is underway. The Conference Chair is Dean Mook of Virginia Tech and the Program Chair is Balachandran of Maryland.

TCVS is setting up its own webpage where information on committee members, meetings, minutes, and various activities will be

posted. This is being developed by C. Tan (Vice Chair of TCVS).

Christophe Pierre was appointed as the Chair of the nominating committee for new memberships to TCVS. Robert Parker would serve as the Co-Chair. Voting on new members will take place in the spring 1999 TCVS meeting to be held on March 14th in McCormick Place, Chicago, during National Manufacturing Week.

INTERNATIONAL ACTIVITIES COMMITTEE UPDATE

Philip E. Doepker, Ph.D., P.E.

The International Activities Committee of the Design Engineering Division continues to seek ways of increasing our participation with the design and manufacturing community on an international scale. We have established cooperative agreements with the International Conference on Engineering Design (ICED) and continue our relationship with IFToMM and MOVIC.

In the long term we are planning on sponsoring a track of sessions at the 2001 Design Engineering Technical Conference (DETC) related to design and manufacturing issues in industry and education on an international scale. Anyone interested in presenting a paper or organizing a session is asked to contact the committee Chair, Phil Doepker, at 937-229-2971 or E-mail pdoepker@engr.udayton.edu.

ASME FELLOWS

Richard A. Hirsch, P.E.

The DED continues to make substantial progress in preparing and submitting Fellow nomination proposals for deserving members. During the past twelve months, eleven nominations were submitted and nine new Fellows have been named. Two more recent submittals are still in process. It takes approximately four months from submission to resolution. Of the eleven, seven were from academia and four were from industry. Active

members of our committees have initiated all of these nominations. For those thousands of you reading this who may not be active, surely you know of at least one colleague with a "Significant Engineering Achievement" worthy of a Fellow nomination. If you want more information, contact me at hirschr@asme.org.

NATIONAL MANUFACTURING WEEK REVIEW

Richard A. Hirsch, P.E.

During the week of March 15-18, thousands of Exhibitors and tens of thousands of Engineers packed the show floors of McCormick Place in Chicago attending the Reed Exhibition Companies' National Manufacturing Week. The associated technical conference had a total of 123 sessions organized by discipline. There were a total of 44 sessions designated as Design/Mechanical Engineering and our division sponsored 18. The DFM committee, under the leadership of Kathy Jacobson and Tom Boronkay, organized eight sessions. The Design Division Education Committee, under the leadership of Tom Libertiny and Lucy King, organized five sessions and Sabri Centinkut of the Technical Committee on Vibration and Sound presented one session. Tom Davis of the Management Division presented three sessions and Gloria Wiens of the Manufacturing Engineering Division organized two sessions.

Preliminary figures indicate that the conference attendance was up over last year. The overall average attendance at the 44 sessions was 27.3 slightly down from 1998 but the average attendance at the ASME sessions was 38.6 up from last year's 32.8. Once again this year, the winning teams from the DED's Student Design Contest were invited to attend and the first place winning team of Dale McKee and Richard Paup came all the way from Washington (not DC) and exhibited their winning system in the ASME Booth on the show floor. The Millennium 2000 Edition of National Manufacturing Week will take place in Chicago during the week of March 13 - 16.

UPCOMING DED CONFERENCES

Date	Conference	Location
1999 September 12-15	DETC	Las Vegas, Nevada
1999 November 14-19	IMECE	Nashville, Tennessee
2000 March	National Manufacturing Week	Chicago, Illinois
2000 June 4-8	Summer Annual Meeting	Providence, Rhode Island
2000 September 10-13	DETC	Baltimore, Maryland
2000 November 5-10	IMECE	Orlando, Florida

USEFUL WEBSITES

ASME	www.asme.org
Systems & Design Group	www.asme.org/groups/systemsdesign
Design Engineering Division	www.asme.org/divisions/ded
Design Division Education Committee	www.asme.org/divisions/ded/education
Design for Manufacturability Committee	engineer.gvsu.edu/asme-dfm
Design Theory & Methodology Committee	www.me.washington.edu/~asmedtm
Mechanisms Committee	helix.gatech.edu/MechanismsCommittee

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I wish to become a member of the ASME Design Engineering Division

I am an ASME member I wish to join the ASME; please send me a membership application

I would like to be active in the Design Engineering Division, please contact me.

Technical Interests and Comments: _____

DED EXECUTIVE COMMITTEE (Effective July 1999)

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<p>Vehicle Design Moustafa El-Gindy, Ph.D. Pennsylvania State University Pennsylvania Transportation Institute 201 Research Office Building University Park, PA 16802 USA Phone: 814-863-7930 Fax: 814-865-3039 E-mail: mxe15@psu.edu</p>	<p>Vibration & Sound Subhash C. Sinha, Ph.D. Auburn University Department of Mechanical Engineering 201 Ross Hall Auburn, AL 36849-5341 USA Phone: 334-844-3325 Fax: 334-844-3307 E-mail: ssinha@eng.auburn.edu</p>		

ANNOUNCEMENT AND CALL FOR PAPERS

ASME 2000 Design Engineering Technical Conferences And Computers and Information in Engineering Conference

September 10 – 13, 2000
Omni Inner Harbor Hotel
Baltimore, Maryland, USA (Washington D.C. Area)

GENERAL INFORMATION

The ASME 2000 Design Engineering Technical Conferences and the Computers and Information in Engineering Conference, hosted by the Design Engineering Division of ASME and the A.J. Clark School of Engineering at the University of Maryland, College Park, will be held in Baltimore, Maryland at the Omni Inner Harbor Hotel.

- For inquiries concerning individual Technical Conference, please contact the respective Chairperson.
- For inquiries concerning General Conference arrangements, please contact the respective Chairperson of the Local Committee or the General Chairperson.

AUTHOR INSTRUCTIONS

Submit five (5) hard copies and a soft copy in electronic form of each paper to the designated individual of the respective Technical Conference for review. The maximum length of each paper is limited to 10 two-column pages. The title page must include the name, address, telephone number, and email address of the contact author, and the affiliation of all the authors. All papers submitted will be reviewed for presentation and publication in CD-ROM proceedings. In addition, a printed volume of abstracts will be available to the attendees. For more information, see the respective Technical Conference.

- Paper Due Date: Monday, January 24, 2000
- (Power Transmission & Gearing abstracts due date November 15, 1999)
- Author Kits on the Web: March 2000
- Notification of Decision on Papers: Wednesday, April 5, 2000
- (Power Transmission & Gearing abstracts acceptance date December 1, 1999)
- Registration Information on the Web: Monday, April 10, 2000
- Advanced Program on the Web: Wednesday, May 3, 2000
- Final Papers Due at ASME HQ: Wednesday, May 3, 2000
- Final Program on the Web: Sunday, August 6, 2000

HOTEL AND TRAVEL INFORMATION

Omni Inner Harbor Hotel
101 Fayette Street, Baltimore, MD.
Reservation information: (Toll Free) 1-800-THE-OMNI or 410-625-1100
Email: reservations@omnibaltimore.com,
Web: allstatelimo.com/
Phone: 410-752-1100, Fax: 410-625-3805

GENERAL CONFERENCE CHAIR

Dr. Lung-Wen Tsai
Department of Mechanical Engineering and
Institute for Systems Research
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Phone: 301-405-6629, Fax: 301-314-9920
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TECHNICAL PROGRAM CHAIR

Dr. Clement M. Gosselin
Department de Genie Mecanique
Universite Laval
Quebec, Canada, G1K 7P4
Phone: 418- 656-3474
Email: gosselin@gmc.ulaval.ca

TECHNICAL CONFERENCES

The overall conference consists of several conferences sponsored by the technical committees within the Design Engineering and Computers in Engineering Divisions of the ASME. A list of conferences and associated conference chairs is given below.

20th Computers and Information in Engineering Conference

Conference Chair
Dr. Yong Se Kim
University of Wisconsin-Milwaukee
Department of Mechanical Engineering
3200 N. Cramer
Milwaukee, WI 53211
Phone: 414-229-4756, Fax: 414-229-6958
Email: yskim@uwm.edu

26th Design Automation Conference

Conference Chair
Dr. Judy M. Vance
Department of Mechanical Engineering
Iowa State University
2026 Black Engineering Building
Ames, IA 50011
Phone: 515-294-9474, Fax: 515-294-3261
Email: jmvance@iastate.edu

5th Design For Manufacture Conference

Conference Chair
Dr. Yu (Michael) Wang
Department of Mechanical Engineering
University of Maryland
College Park, MD 20742-3035
Phone: 301-405-0416, Fax: 301-314-9477
Email: yuwang@eng.umd.edu

12th International Conference on Design Theory and Methodology

Conference Chair
Dr. Debbie Thurston
Department of General Engineering
University of Illinois at Urbana-Champaign
104 S. Mathews Avenue
Urbana, IL 61801
Email: thurston@uiuc.edu

26th Biennial Mechanisms and Robotics

Conference Chair
Dr. Kazem Kazerounian
Department of Mechanical Engineering
University of Connecticut
191 Auditorium Road
Storrs, CT 06269-3139
Phone: 203-486-2251, Fax: 203-486-5088
Email: kazem@eng2.uconn.edu

8th Power Transmission and Gearing Conference

Conference Chair
Mr. Neil Anderson
General Motors Powertrain
Advanced Power Transfer
Mail Code 481-700-178
Ecorse at Wiard Rds.
Ypsilanti, MI 49198-6193
Phone: 313-481-7868, Fax: 313-481-5065
Email: LNUSEWY1.KZK0KM@gmeds.com
Web: asmegear.eng.ohio-state.edu

14th Reliability, Stress Analysis, and Failure Prevention Conference

Conference Chair
Dr. Michael Savage
Department of Mechanical Engineering
The University of Akron
Akron OH 44325-3903
Phone: 330-972-7737, Fax: 330-654-1337
Email: savage@uakron.edu